

List of themes for the upcoming training

- Combinatorics
 - Efficient computation
 - Common DP problems involving combinatorics
 - How to count?
 - Derangement
 - Binomial Coefficient
 - Catalan Numbers
- Factorial
 - Efficient computation
 - Uses
- Sieves and primes
 - Erathostenes'
 - Atkin's
 - Segmented
 - Primes
 - Primes' Theorems
- Greatest Common Divisor (and LCM)
 - Basics (and `__gcd()`)
 - Extended
 - Diophantine Equations
- Game Theory
 - Nim
 - Zero-Sum Games
 - Minimax
- Theorems
 - Euler's Theorems
 - Euler's Formula
 - Fermat's Little Theorem
 - Cayley's Theorem
 - Erdos Galloi
 - Moser's Circle
 - Pick's Theorem

- Others
- Modular Arithmetic
 - Basics
 - Primitive Roots
 - Rings
 - Divisibility
 - Congruences
 - Special properties of prime rings